

HAER
PR,
55-MANA,
1A -

HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

Addendum to:

Hacienda Azucarera La Esperanza (Sugar Plantation):
Steam Engine & Mill
2.65 miles north of PR Route 2 bridge
over Manati River
Manati
Municipality of Manati
Puerto Rico

HAER No. PR-1A

NOTE: These photographs are U.S. Government materials and not subject to copyright. However, the courtesy of a credit line identifying the Historic American Engineering Record and the photographers would be appreciated.

Photographers for this project were Fred Gjessing, Historical Architect, Virgin Islands National Park, who photographed the engine in June 1976, prior to disassembly, and Jack Boucher who photographed the engine in August 1977 after it was dismantled. Mr. Boucher also photographed the site. Photographs taken by Mr. Gjessing are numbered PR-1A-1 through 11. The rest are by Jack Boucher.

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| PR-1A-1 | Front view of steam engine and mill, looking NE, showing (l to r) 6-column beam engine, flywheel, reduction gears and 3-roll cane mill. |
| PR-1A-2 | 3/4 view of 6-column beam engine and flywheel looking SE. |
| PR-1A-3 | Side view of steam engine looking S. |
| PR-1A-4 | View of steam engine looking SW showing valve end; flywheel and reduction gears to left. |
| PR-1A-5 | Detail view of steam engine showing valve mechanism. |
| PR-1A-6 | Detail view of steam engine showing base, governor drive pulley and eccentric. |
| PR-1A-7 | Detail view of steam engine showing flywheel spokes and hub sector. |
| PR-1A-8 | Detail view of reduction gears. |
| PR-1A-9 | Detail view of cane mill showing feed, top and discharge roll driving pinions and main shaft coupling. |
| PR-1A-10 | Side view of cane mill looking NW with steam engine in background. |

- PR-1A-11 Detail side view of cane mill showing conveyor drive wheel.
- PR-1A-12 View of disassembled steam engine sitting in open shed
 showing base, columns and entablature.
- PR-1A-13 View of disassembled steam engine showing cylinder, piston
 rod, parallel motion links and steam chest.
- PR-1A-14 View of beam lying on ground underneath open shed.
- PR-1A-15 View of cane mill sitting under open shed.
- PR-1A-16 View of cane mill sitting under open shed showing discharge
 and top rolls.
- PR-1A-17 View of disassembled reduction gear parts including bull
 and intermediate gears and pedestal bearing.
- PR-1A-18 View of Lancashire double tube boiler salvaged from another
 site.